

Assistant Professor, Associate Professor, Professor
Michigan State University

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Posted Nov. 22, 2024, set to expire May 24, 2025

Job Title	Assistant Professor, Associate Professor, Professor
Department	Department of Electrical and Computer Engineering
Institution	Michigan State University East Lansing, Michigan
Date Posted	Nov. 22, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering
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Job Description

Professor – Tenure System (994485)

Michigan State University

Other titles/ranks: **Assistant Professor, Associate Professor, Professor**

2 positions

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Snapshot

The Department of Electrical and Computer Engineering (ECE) is seeking applications for multiple tenure-system faculty positions in the areas of heterogeneous microsystem integration and packaging of semiconductor chips and associated components.

Position Summary

The College of Engineering at Michigan State University (MSU) invites applications for multiple tenure-system faculty positions in the Department of Electrical and Computer Engineering (ECE) in the areas of heterogeneous microsystem integration and packaging of semiconductor chips and associated components. We encourage applications for appointment at the rank of Assistant Professor and will consider exceptional candidates for appointment at the rank of Associate or (Full) Professor. These positions are supported through Michigan State University's Global Impact Initiative, designed to address global grand challenges and national priorities through the creation of over 100 new faculty positions in some of the most promising – and critical – fields of research.

Candidates must have an earned PhD in Electrical and Computer Engineering, or a closely related discipline at the time of appointment, with an anticipated start date of August 16, 2025. Successful candidates will be expected to develop a sustainable, externally funded, and internationally recognized research program; contribute significantly to their discipline through scholarly work; demonstrate effective teaching and mentorship of both undergraduate and graduate students; participate in institutional and professional service; and support the university's mission in advancing diversity, equity, and inclusion. Candidates are encouraged to discuss how their research could impact and complement the strengths within the department.

All areas of research specialization will be considered, but the following areas have been identified as being of particular interest: Integration techniques for electronic systems designed for extreme or harsh environments such as ionizing radiation, high vibration, and temperature effects for space electronics applications.

Other qualifications include strong leadership and interpersonal skills, excellent written and oral communication skills, an ability to work in a collaborative research environment, and a commitment to fostering and advancing diversity. Joint appointments with other engineering departments are possible, considering existing strengths and capabilities and the candidate's preferences. Successful candidates will be appointed to an academic-year position in the tenure system, with tenure, if appropriate.

Successful candidates are expected to elevate the reputation of MSU through their professional activities. Those who conduct research that enhances or is related to aspects of inclusion and equity

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are of high interest.

Required Application Materials

Interested individuals should apply for this position through <http://careers.msu.edu> and refer to posting # **994485**. The application must include the following materials:

1. A detailed CV
2. A cover letter summarizing your qualifications
3. A one-page teaching vision statement
4. A one-page research vision statement
5. A one-page diversity, equity, and inclusion (DEI) vision statement, which should include:
 - Your awareness and education in DEI
 - Examples of your work in DEI
 - Assessment and outcomes of your DEI work
 - Demonstrated impact of your efforts
6. Names and contact information for at least three professional references

In your application, please describe the potential impact of your work and how it aligns with the existing strengths of the Department, College, or other programs at MSU.

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Special Instructions to Applicants

Review of applications will begin on 12/13/2024, and continue until the position is filled. Data indicates a paucity of underrepresented minorities and women faculty in Electrical and Computer Engineering (ECE); individuals from these groups are strongly encouraged to apply. Questions about these positions are welcome and should be directed to the search committee chair by email at space-electronics@egr.msu.edu.

Department Statement

The Department of Electrical and Computer Engineering department has strong interdisciplinary research and educational programs on a foundation of core electrical and computer engineering disciplines and provides first-class education while engaging in research at the frontiers of knowledge. The Department has 44 faculty members, including 14 IEEE Fellows, 14 NSF CAREER, 3 DARPA YFA, one AFOSR YIP awardee, and four University Distinguished Faculty members. The Department has strong research programs in all major areas of electrical and computer engineering, with annual research expenditures of over \$16 million. Faculty in the Department are leading several federal and industry- supported centers including the Fraunhofer USA Center Midwest (CMW) for Coatings and Diamond Technologies. The Department has accredited B.S. degree programs in both Electrical Engineering and Computer Engineering. The current enrollment is approximately 200 full-time graduate students and over 900 undergraduate students. For additional information about the ECE Department please visit <https://ece.msu.edu/>.

About The College of Engineering

Advancing, disseminating, and applying engineering knowledge has been the focus of the MSU College of Engineering for more than 130 years. The mission of the MSU College of Engineering is to deliver the highest-quality engineering graduates, cutting-edge research, and innovative technology to benefit society locally and globally. The college carries out its mission through educational and research programs over eight departments tackling interdisciplinary themes such as computational sciences, energy, health, manufacturing, materials, mobility, security, and sustainability, with research expenditures totaling \$60 million annually. Research is highly interdisciplinary and collaborative, with themes spanning eight departments in the college and an extensive network of collaborators in other colleges and research organizations. The departments and college have strong track records of mentoring junior faculty to grow their academic careers successfully.

The College of Engineering is dedicated to building a diverse and inclusive workforce that reflects the rich diversity of our global society while upholding the high standards of Michigan State University. We encourage applications from individuals of all backgrounds and perspectives, including but not limited to women, underrepresented racial and ethnic groups, individuals with disabilities, protected veterans,

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members of the LGBTQ+ community, and others who bring unique experiences. Your diverse insights and contributions are essential to our college's ongoing growth and pursuit of excellence.

About Michigan State University

MSU is an R1 university that enjoys a park-like campus with some outlying research facilities and natural areas. The campus is in the city of East Lansing, adjacent to the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 541,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring employment opportunities for dual-career couples inside and outside the University.

Information about MSU's dual-career support can be found at <https://worklife.msu.edu/dual-career>.

MSU Statements

Michigan State University has been advancing the common good with uncommon will for more than 160 years. One of the top research universities in the world, MSU pushes the boundaries of discovery and forges enduring partnerships to solve the most pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.

Required Degree

Candidates must have an earned PhD in Electrical and Computer Engineering, or a closely related discipline.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact



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